

IN THE CLAIMS

This is a complete and current listing of the claims, marked with status identifiers in parentheses. The following listing of claims will replace all prior versions and listings of claims in the application.

1. (Currently Amended) A method for data exchange between a ~~computer~~computed tomograph (2)—and an injector—(4), comprising:

~~_____ in the case of which the two devices (2, 4) mutually exchange~~exchanging data between the computed tomograph and an injector, relating to their respective operating states, via a data interface ~~(20A-B),;~~; and

~~_____ transmitting a malfunction, occurring during operation, of one the computed tomograph and an injector~~device (2, 4) is transmitted to the other of the computed tomograph and an injector~~device (4, 2),;~~; and

~~_____ characterized in that in automatically making a decision using a termination rule, upon transmitting the presence of the malfunction, a decision is made automatically with the aid of a termination rule as to whether the operation of the other of the computed tomograph and an injector~~device (4, 2) is expedient.

2. (Currently Amended) The method as claimed in claim 1, ~~in which~~wherein the data transmitted by one ~~device (2, 4) of the computed tomograph and an injector~~ is used as a basis to control the operation of the other ~~device (4, 2) of the computed tomograph and an injector.~~

3. (Currently Amended) The method as claimed in ~~one of the preceding claims, in which~~claim 1, wherein before starting to operate one ~~device (2, 4) of the computed tomograph and an~~

injector, the operational readiness of the other ~~device (4, 2)~~of the computed tomograph and an injector is checked.

4. (Currently Amended) The method as claimed in claim 3, ~~in which~~wherein the start of the operation of one ~~device (2, 4)~~of the computed tomograph and an injector is automatically suppressed if the other ~~device (4, 2)~~of the computed tomograph and an injector is not operationally ready.

5. (Currently Amended) The method as claimed in ~~one of the preceding claims, in which~~claim 1, wherein decision parameters are provided for the termination rule, values for the decision parameters including at least one of:

- being adopted automatically from the operational data of at least one of the computed tomograph and an injector~~the devices (2, 4)~~ such as, ~~for example, the quantity of the already injected contrast agent, and/or~~
- being input manually before the start of the operation, ~~and/or~~
- being determined in an organ-specific fashion taking account of an organ to be examined, ~~and/or~~
- being determined in a patient-specific fashion and input, ~~and/or~~
- being determined with the aid of the protocol characterizing the carrying out of at least one of the scanning operation ~~and/or~~ the injection.

6. (Currently Amended) The method as claimed in ~~one of the preceding claims, in which~~claim 1, wherein current operational data of one of the computed tomograph and an injector device (2, 4) are displayed on a display element ~~(8B, A)~~at the other device (4, 2)of the computed tomograph and an injector.

7. (Currently Amended) The method as claimed in ~~one of the preceding claims, in which~~ claim 1, wherein one of the computed tomograph and an injector devices (2) is provided with a common operating console (12A) with the aid of which it is also possible to drive the other device (4) of the computed tomograph and an injector.

8. (Currently Amended) The method as claimed in ~~one of the preceding claims, in which~~ claim 1, wherein the data interface (20A, B) is standardized for the data exchange between the computed tomograph and an injector devices (2, 4).

9. (Currently Amended) The method as claimed in ~~one of the preceding claims, in which~~ claim 1, wherein after the carrying out of at least one of the scanning operation and/or the injection, a specific data protocol of one device (2, 4) of the computed tomograph and an injector is transmitted to the other device (4, 2) of the computed tomograph and an injector.

10. (Currently Amended) An apparatus ~~having comprising:~~
_____ a computer computed tomograph; (2) and
_____ an injector (4), in the case of which the
computer computed tomograph (2) and the injector (4) are being
designed via a data interface (20A, B) for mutually exchanging
data relating to their operating state to the respective other
device (2, 4) of the computed tomograph and an injector, and a
malfunction, occurring during the operation, of one of the
computed tomograph and an injector device (2, 4), is being
transmitted to the other device (4, 2) of the computed
tomograph and an injector, characterized in that wherein the
computed tomograph and an injector devices (2, 4) are further
designed in such a way that in the presence of the
malfunction, a decision is made automatically with the aid of

a termination rule, as to whether the further operation of the other of the computed tomograph and an injector device ~~(4, 2)~~ is expedient.

11. (New) The method as claimed in claim 2, wherein decision parameters are provided for the termination rule, values for the decision parameters including at least one of:

- being adopted automatically from the operational data of at least one of the computed tomograph and an injector,
- being input manually before the start of the operation,
- being determined in an organ-specific fashion taking account of an organ to be examined,
- being determined in a patient-specific fashion and input, and
- being determined with the aid of the protocol characterizing the carrying out of at least one of the scanning operation and the injection.

12. (New) The method as claimed in claim 3, wherein decision parameters are provided for the termination rule, values for the decision parameters including at least one of:

- being adopted automatically from the operational data of at least one of the computed tomograph and an injector,
- being input manually before the start of the operation,
- being determined in an organ-specific fashion taking account of an organ to be examined,
- being determined in a patient-specific fashion and input, and
- being determined with the aid of the protocol characterizing the carrying out of at least one of the scanning operation and the injection.

13. (New) The method as claimed in claim 4, wherein decision parameters are provided for the termination rule, values for the decision parameters including at least one of:

- being adopted automatically from the operational data of at least one of the computed tomograph and an injector,
- being input manually before the start of the operation,
- being determined in an organ-specific fashion taking account of an organ to be examined,
- being determined in a patient-specific fashion and input, and
- being determined with the aid of the protocol characterizing the carrying out of at least one of the scanning operation and the injection.

14. (New) The method as claimed in claim 2, wherein current operational data of one of the computed tomograph and an injector are displayed on a display element at the other of the computed tomograph and an injector.

15. (New) The method as claimed in claim 2, wherein one of the computed tomograph and an injector is provided with a common operating console with the aid of which it is also possible to drive the other of the computed tomograph and an injector.

16. (New) The method as claimed in claim 2, wherein the data interface is standardized for the data exchange between the computed tomograph and an injector.

17. (New) The method as claimed in claim 2, wherein after the carrying out of at least one of the scanning operation and the injection, a specific data protocol of one of the computed

tomograph and an injector is transmitted to the other of the computed tomograph and an injector.

18. (New) An apparatus for data exchange between a computed tomograph and an injector, comprising:

means for mutually exchanging data between the computed tomograph and an injector, relating to their respective operating states, via a data interface;

means for transmitting a malfunction, occurring during operation, of one the computed tomograph and an injector to the other of the computed tomograph and an injector; and

means for automatically making a decision using a termination rule, upon transmitting the malfunction, as to whether operation of the other of the computed tomograph and an injector is expedient.

19. (New) The apparatus as claimed in claim 18, wherein the data transmitted by one of the computed tomograph and an injector is used as a basis to control the operation of the other of the computed tomograph and an injector.

20. (New) The apparatus as claimed in claim 18, wherein before starting to operate one of the computed tomograph and an injector, the operational readiness of the other of the computed tomograph and an injector is checked.

21. (New) The apparatus as claimed in claim 20, wherein the start of the operation of one of the computed tomograph and an injector is automatically suppressed if the other of the computed tomograph and an injector is not operationally ready.